Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A radio device testing system comprising:

at least one~~a~~ radio device ~~(16)~~ having a software radio stack ~~(40)~~ including a plurality of logical layers through which radio messages comprising data are processed in accordance with a ~~predetermined~~ radio protocol~~,~~;

~~and~~ test control means ~~(10)~~ for controlling and monitoring ~~the~~ testing of said ~~at least one~~ radio device via a link ~~(30)~~ therebetween~~,~~; and

~~characterised in that~~

stack perturbation means~~,~~ ~~(38)~~ linked to said software radio stack and to said test control means~~,~~ ~~is provided and where~~for, under control of said test control means, altering data of a radio message en route through one of said plurality of logical layers of said software radio stack ~~perturbation means perturbs an aspect of said radio stack processing~~.

2.   (Currently Amended) A testing system according to claim 1, wherein ~~said radio stack (40) comprises a plurality of logical layers through which said radio messages are processed, and wherein~~ said stack perturbation means ~~(38)~~ is linked to at least one of said layers in said software radio stack.

3.-4.   (Canceled)

5.   (Currently Amended)   A testing system according to claim 1, further comprising storage means ~~(20)~~ for receiving and storing test data from said test control means ~~(10)~~ and said stack perturbation means in a central data file.

6.   (Currently Amended)   A testing system according to claim 1, further comprising radio message monitoring means ~~(84)~~ for intercepting over ~~the~~ air radio messages and supplying said message data to said test control means via a link therebetween.

7.   (Currently Amended) A testing system according to claim 1, wherein said test and control means comprises a distributed system of client computers ~~(72, 74, 76)~~ under ~~the~~ control of a server computer ~~(70)~~, each client being linked ~~(30)~~ to at least one radio device ~~(16)~~ and respective ~~perturbing~~ stack perturbation means ~~(38)~~, the radio devices linked to said clients thereby forming a radio network, and wherein said server computer synchronises and controls perturbation, testing and monitoring of said radio network.

8.   (Currently Amended)   A testing system according to claim 6, further comprising an interruptible power supply ~~(80)~~ for supplying power to the radio devices under test.

9.   (Currently Amended) A testing system according to claim 8, wherein said power supply is interruptible under control of said radio monitoring means and said server computer ~~(70)~~.

10.   (Currently Amended)   A testing system according to claim ~~1~~5, further comprising analysis means ~~(86)~~ for automatically ~~analysing~~ analyzing said data stored in said central data file.

11.   (Currently Amended) A method, comprising:

    ~~of~~ testing a radio device ~~(16) in a testing system comprising at least one radio device~~ having a software radio stack comprising a plurality of logical layers through which radio messages ~~(46)~~ comprising data are processed in accordance with a ~~predetermined~~ radio protocol, ~~test control means (10, 70) for controlling and monitoring the testing of said at least one radio~~

~~device via a link therebetween, and perturbation means (38) linked to said stack and to said~~

~~control means, wherein said method comprises:~~

~~said test control means providing data for inclusion in messages to said~~

~~perturbation means, said perturbation means~~

altering data of a radio message en route through one of said plurality of logical

layers of said software radio stack; ~~perturbing an aspect of said radio stack processing in~~

~~dependence on said message data,~~ and

providing response data from said software radio stack to ~~said~~ a test controller

~~means.~~

12.   (Currently Amended)   A method according to claim 11, further

comprising ~~analysing~~ analyzing said response data.

13.   (Currently Amended) A method according to claim 12, wherein over ~~the~~

air radio messages are monitored by a radio message ~~monitoring~~ monitor ~~means (84)~~, and further

provided to said test controller ~~means~~ for analysis together with said ~~stack~~ response data.

14.   (Currently Amended)   A method according to claim ~~12~~13, wherein the

power supplied to said radio device by an interruptible power supply is interrupted under control

of said radio message ~~monitoring means~~ monitor.

15.   (Canceled)

16.   (Currently Amended)   A program code ~~carrier~~ memory ~~carrying~~ storing

program code which, when executed on a testing computer, ~~(10)~~ causes said testing computer to

perform a method comprising:

testing a radio device having a software radio stack comprising a plurality of

logical layers through which radio messages comprising data are processed in accordance with a

radio protocol ~~carry out any of the methods as claimed in claim 11~~:

altering data of a radio message en route through one of said plurality of logical layers of said software radio stack; and

receiving response data from said software radio stack.

17.   (New)   A program code memory according to claim 16, wherein the method further comprises:

analyzing said response data.

18.   (New)   A program code memory according to claim 17, wherein the method further comprises:

intercepting over air radio messages; and

analyzing the intercepted radio messages together with said response data.

19.   (New)   A testing system according to claim 1 wherein said stack perturbation means is linked to said test control means by a link that is distinct from said software radio stack.

20.   (New) A method according to claim 11 wherein altering data of a radio message includes altering, under control of a stack perturbation module linked to said software radio stack and to said test controller, the data of the radio message en route through the one logical layer of said software radio stack.